

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Nana Wall System Inc.
707 Redwood Highway
Mill Valley, CA 94941

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SI-73" Aluminum InSwing Folding Doors-LMI

APPROVAL DOCUMENT: Drawing No. 1636 A, titled "SL-73 In-Swing Impact Folding Panels", sheets 1 through 8 of 8, dated 11/23/09 and last revised on DEC 19, 2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact

Limitations:

1. ADA/Flush Saddle Doors are not approved for water resistant unless complies w/ FBC requirements.
2. Max panel width= DLO width+8.125"

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Richmond, CA** or **Bissendorf, Germany** and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 10-0322.18 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections. (transferred from file # **10-0322.18**)
2. Drawing No. **1636 A**, titled "SL-73 In-Swing Impact Folding Panels", sheets 1 through 8 of 8, dated 11/23/09 and last revised on DEC 19, 2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

(This revision consists of FBC 2010 & glazing bead/gasket as verified by lab)

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Report No(s). 91081.01-301-18, dated 12/15/09, signed and sealed by Joshua M. Royce, P.E.

Note: This test report has an addendum letter issued by Architectural Testing, signed and sealed by Micael D. Stremmel, P.E.

(The test report has addendum letter dated Oct 06, 2011, related to glazing bead & gasket material & marked-up Dwgs, issued by Architectural Testing, signed & sealed by Tyler Westerling, P.E.)

C. CALCULATIONS

1. Statement letter of conformance to FBC 2007 and FBC 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated OCT 18, 2011, signed & sealed by Warren W. Schaefer, P.E.
2. Anchor verification calculation dated March 16, 2010 and revised on June 08, 2010 complying w/ FBC 2007, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (transferred from file # **10-0322.18**)
3. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

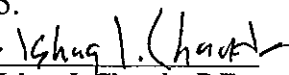
E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours for "SentryGlasPlus", expiring on 01/14/2012.
2. Test report No. 60520.01-106-18 dtd 11/09/06, issued by Architectural Testing for "Tecatherm **66 GF** (insul bar material) for Xenon Arch weathering per ASTM G-55, tensile test per ASTM D-638, smoke density per ASTM D-2843, rate of burning per ASTM D-635 & self ignition test per ASTM D-1929, signed and sealed by Joseph M. Brickner and Todd D. Burroughs.
3. Marked-up Tremco (EPDM) technical data sheet, issued by Architectural Testing.

F. STATEMENTS

1. Statement letter of conformance to FBC 2010 & "No financial interest, prepared by W. W. Schaefer Eng. & Consulting, P.A., dated OCT 18, 2011, signed and sealed by Warren W. Schaefer, P.E.
2. Distribution agreement between Solarlux Nana Mfg. LLC, Richmond, CA and Nana Wall System Mill Valley, CA.
3. Distribution agreement between Solarlux Nana Mfg. LLC, Bissendorf, Germany and Nana Wall System Mill Valley, CA.
4. Statement of Lab compliance, as part of above referenced test report.

G. OTHER

1. This NOA **revises** NOA # **10-0322.18**, expiring on August 15, 2015.
2. Test proposal # **09-0568** dated May 26, 2009, approved by BCCO. 

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 11-1024.04

Expiration Date: August 15, 2015

Approval Date: January 12, 2012

GENERAL NOTES:

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

HINGE REQUIREMENTS

5 PER PANEL (ALL PANEL SIZES)
PLACED APPROXIMATELY 5" & 13" FROM
TOP & BOTTOM & AT MIDDLE OF PANEL

FRAME ANCHOR REQUIREMENTS TABLE

FRAME SCREWS

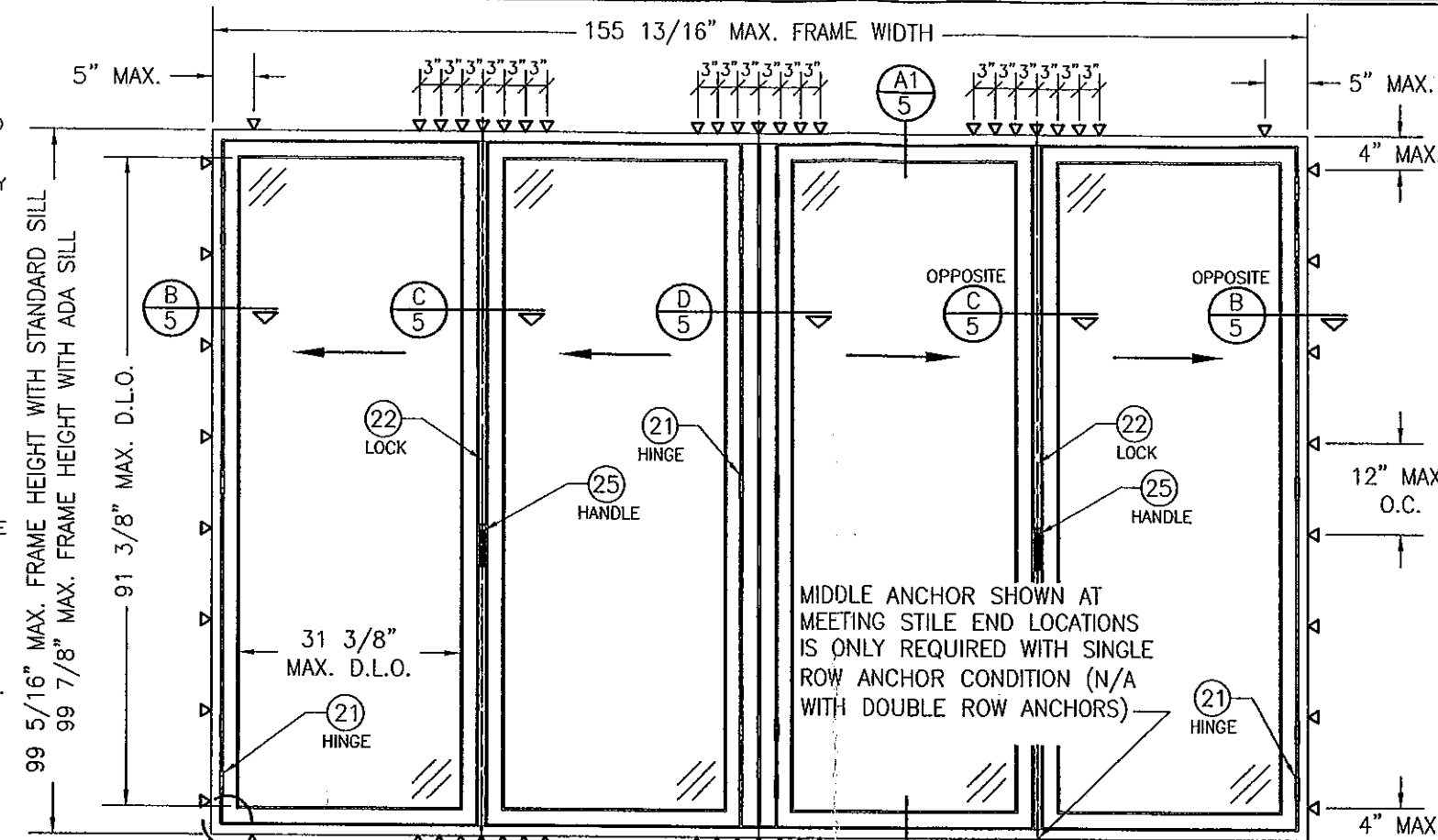
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) SINGLE SCREW ROW			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & $G=0.55$)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"

DOUBLE SCREW ROW

(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & $G=0.55$)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2"

- (1) WHEN SINGLE SCREW ROW ANCHORING METHOD IS USED SCREWS MUST HAVE A $\phi 3/4"$ O.D. FLAT WASHER AT THE SCREW HEAD.
- (2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (3) 2X6 WOOD BUCK MAY BE RIPPED DOWN TO 4 1/2" PROVIDING THAT REQ'D SCREW TO BUCK EDGE DISTANCES ARE MAINTAINED.

SEE CORNER
CONSTRUCTION
DESCRIPTIONS
ON THIS SHEET



INTERIOR ELEVATION: (2 DIRECTION FOLDING PANELS)

SCALE: 1/2" = 1'-0"

FRAME SCREWS WHERE
SHOWN. SEE "FRAME
ANCHOR REQUIREMENTS
TABLE" ON THIS SHEET
FOR REQUIREMENTS
(APPLICABLE TO SINGLE
OR DOUBLE ROW OF
SCREWS).

ALLOWABLE DESIGN PRESSURE WITH STANDARD SILL

MAX. FRAME HEIGHT (IN.)	MAX. D.L.O. WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)							
		GLASS OPTION 1, 3 & 4		GLASS OPTION 2		GLASS OPTION 5		GLASS OPTION 6	
		POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.
99 5/16	31 3/8	70.0	100.0	70.0	87.4	70.0	94.3	70.0	99.8
	28 3/8	75.8	108.2	75.8	105.0	75.8	108.2	75.8	108.2
	25 3/8	80.0	110.0	80.0	110.0	80.0	110.0	80.0	110.0
93 5/16	31 3/8	74.5	106.4	74.5	92.9	74.5	100.0	74.5	106.0
	28 3/8	80.0	110.0	80.0	107.0	80.0	110.0	80.0	110.0
	25 3/8	80.0	110.0	80.0	110.0	80.0	110.0	80.0	110.0
87 5/16	31 3/8	79.6	110.0	79.6	97.5	79.6	105.0	79.6	110.0
	28 3/8	80.0	110.0	80.0	110.0	80.0	110.0	80.0	110.0
82 5/16	31 3/8	80.0	110.0	80.0	102.0	80.0	110.0	80.0	110.0
	28 3/8	80.0	110.0	80.0	110.0	80.0	110.0	80.0	110.0

SEE SHEET 7
FOR GLASS
OPTIONS

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 11-1024.04
Expiration Date 08/15/2015
By: [Signature]
Miami Design Product Control

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

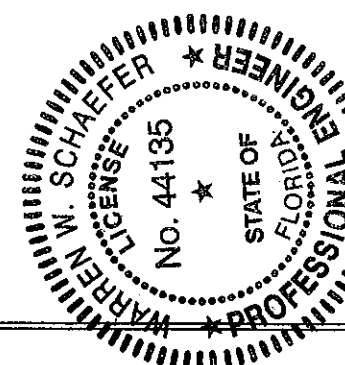
CORNER CONSTRUCTION:

FRAME (WITH STANDARD RAISED SILL): MEMBERS ARE MITERED, BUTTED & JOINED VIA (2) TWO CORNER KEYS (ITEM #12) EACH CORNER KEY IS SECURED WITH (2) TWO $\phi 5/16"$ X $3/4"$ BRASS CONE PINS. CORNERS ARE SEALED WITH SILICONE SEALANT.
FLUSH SADDLE SILL: MEMBERS ARE SQUARE CUT, BUTTED & JOINED VIA AN END CAP WITH (3) THREE $1/8"$ X $5/8"$ FHIF SCREWS AT THE SILL & (2) TWO $1/8"$ X $5/8"$ FHIF SCREWS AT THE VERTICAL MEMBER. CORNERS ARE SEALED WITH A CUSHION WEATHERSTRIPPING.
RAIL TO STILE: MEMBERS ARE MITERED, BUTTED & JOINED VIA (2) TWO CORNER KEYS (ITEM #13 & #14) THE CORNER KEY IS SECURED BY CRIMPING (2) TWO LEGS EACH PANEL. CORNERS ARE SEALED WITH SILICONE SEALANT.

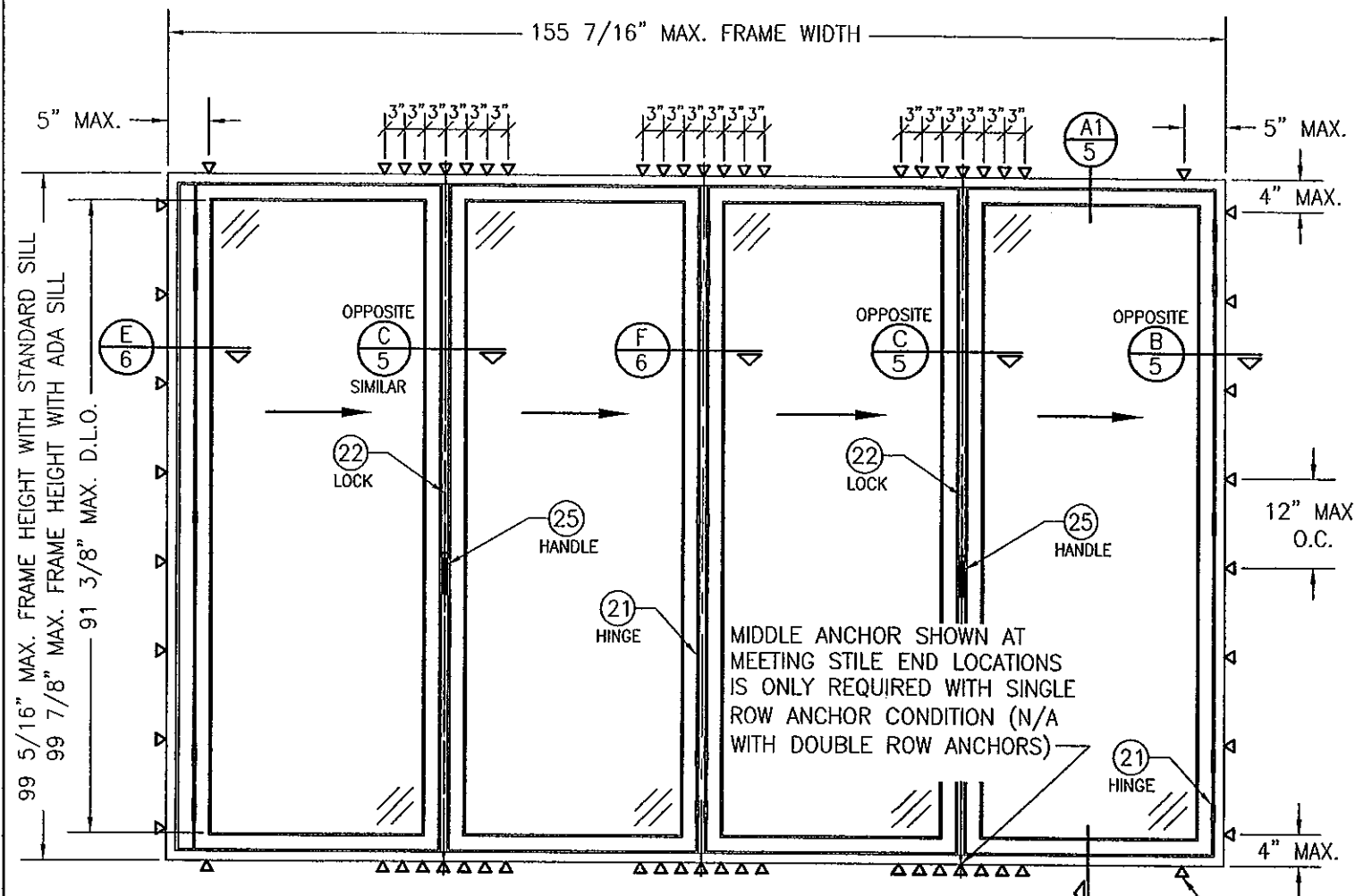
(1) ALLOWABLE DESIGN PRESSURE WITH ADA SILL

MAX. FRAME HEIGHT (IN.)	MAX. D.L.O. WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
99 7/8	31 3/8	70.0	70.0
	28 3/8	75.8	75.8
	25 3/8	82.5	82.5
	22 3/8	90.0	90.0
93 7/8	31 3/8	74.5	74.5
	28 3/8	80.6	80.6
	25 3/8	87.8	87.8
	24 3/8	90.0	90.0
87 7/8	31 3/8	79.6	79.6
	28 3/8	86.1	86.1
	26 3/8	90.0	90.0
82 7/8	31 3/8	84.4	84.4
	28 3/8	90.0	90.0

(1) WHEN AN ADA/FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC CHAPTER 24.

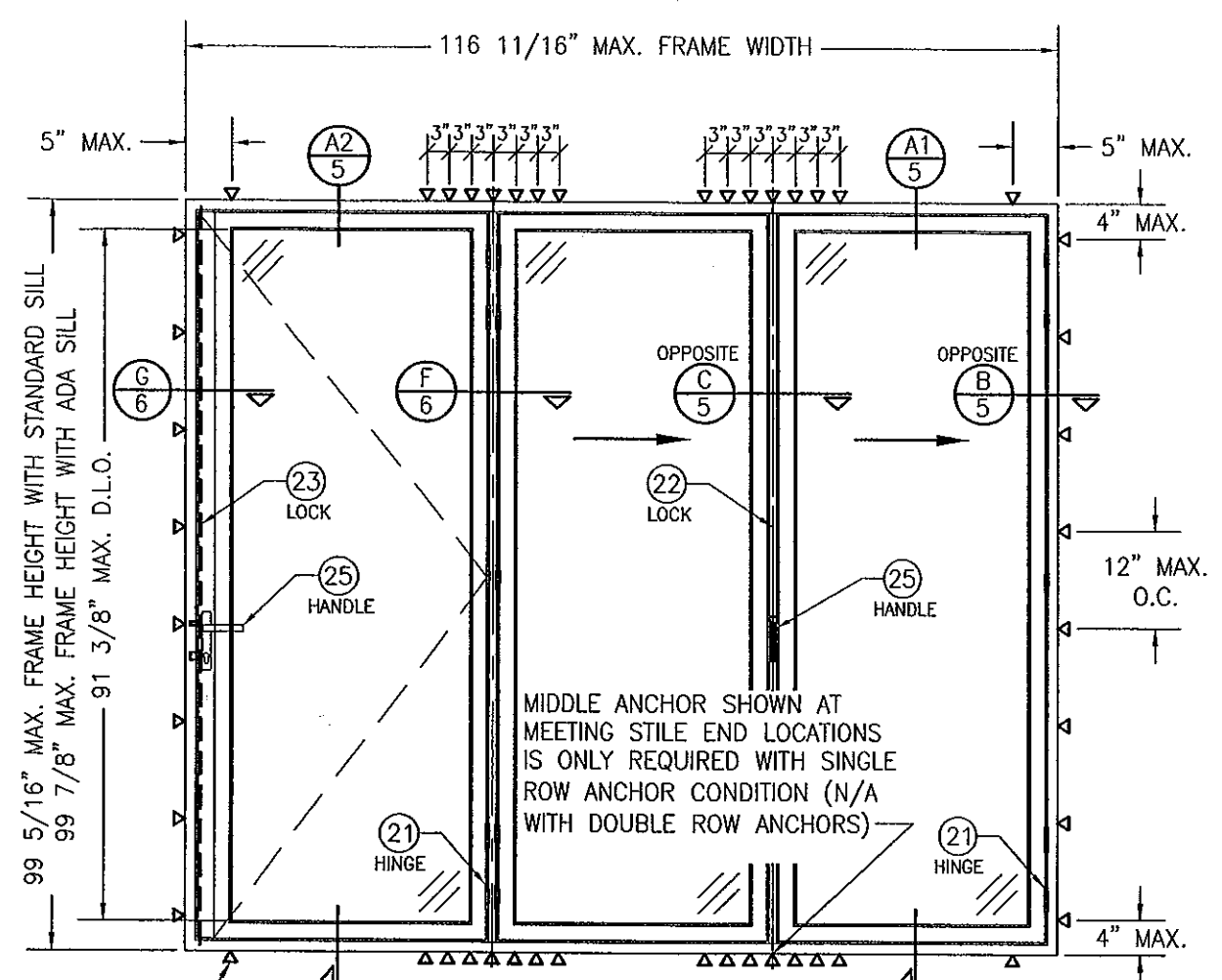


DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=24	DATE:	11/23/09
DATE	10/18/11	BY	
REVISION		DESCRIPTION	
NO.	A1	UPDATE CONSULTANTS ADDRESS	
DRAWING TITLE SL-73 IN-SWING IMPACT FOLDING PANELS			
MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION DEC 19 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO.		REV.	
1636		A	
SHEET NO.		1 OF 8	



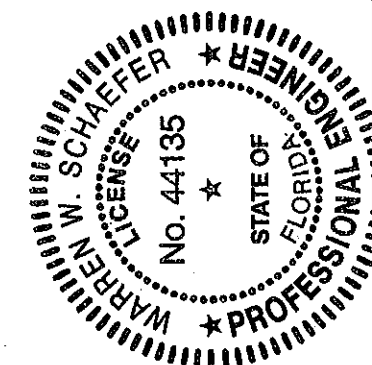
INTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS)
 SCALE: 1/2" = 1'-0"

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

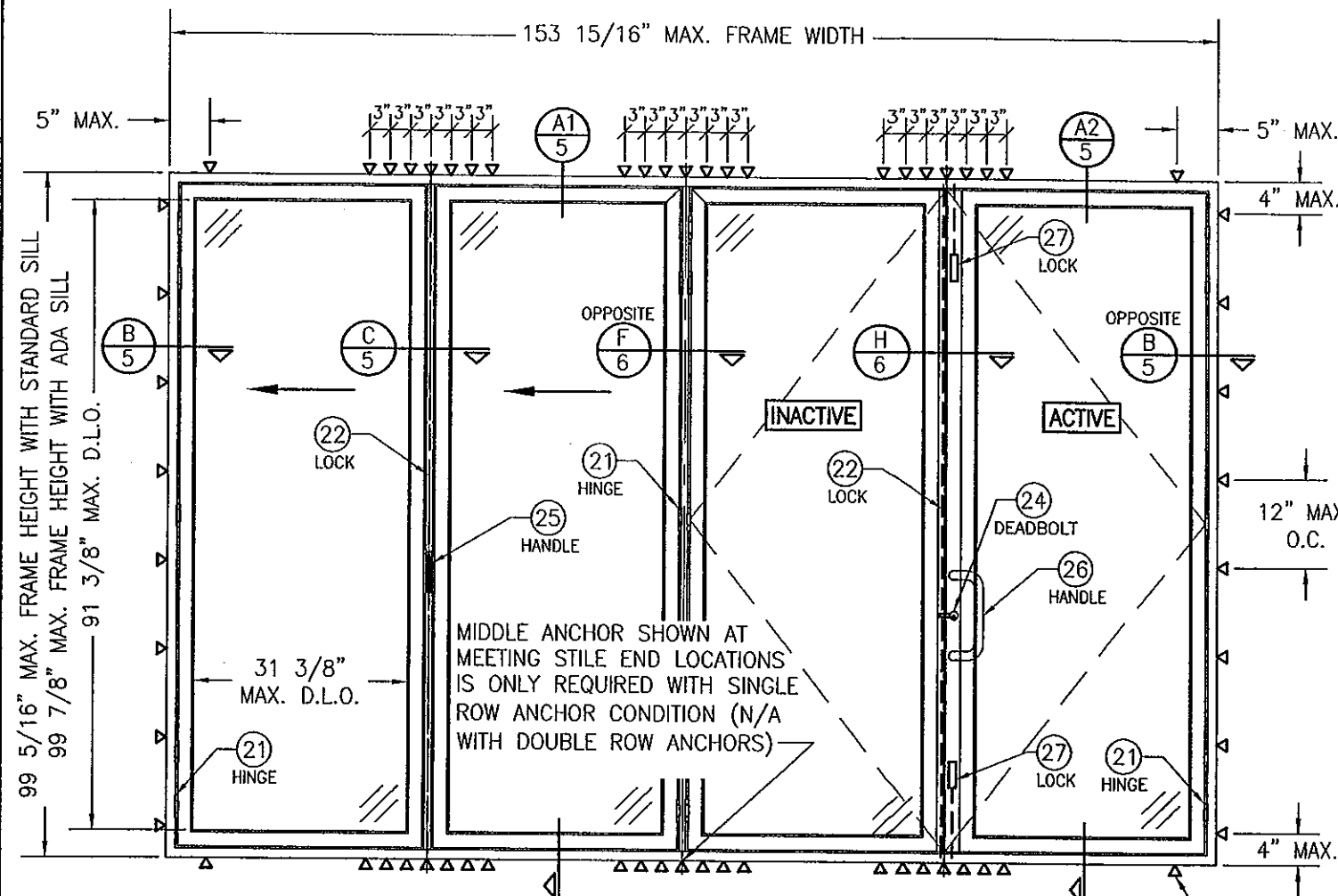


INTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH SWING PANEL LOCKING TO JAMB)
 SCALE: 1/2" = 1'-0"
 (ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK. DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 11-1024.04
 Expiration Date 8/15/15
 By *Shag L. Chung*
 Miami Dade Product Control



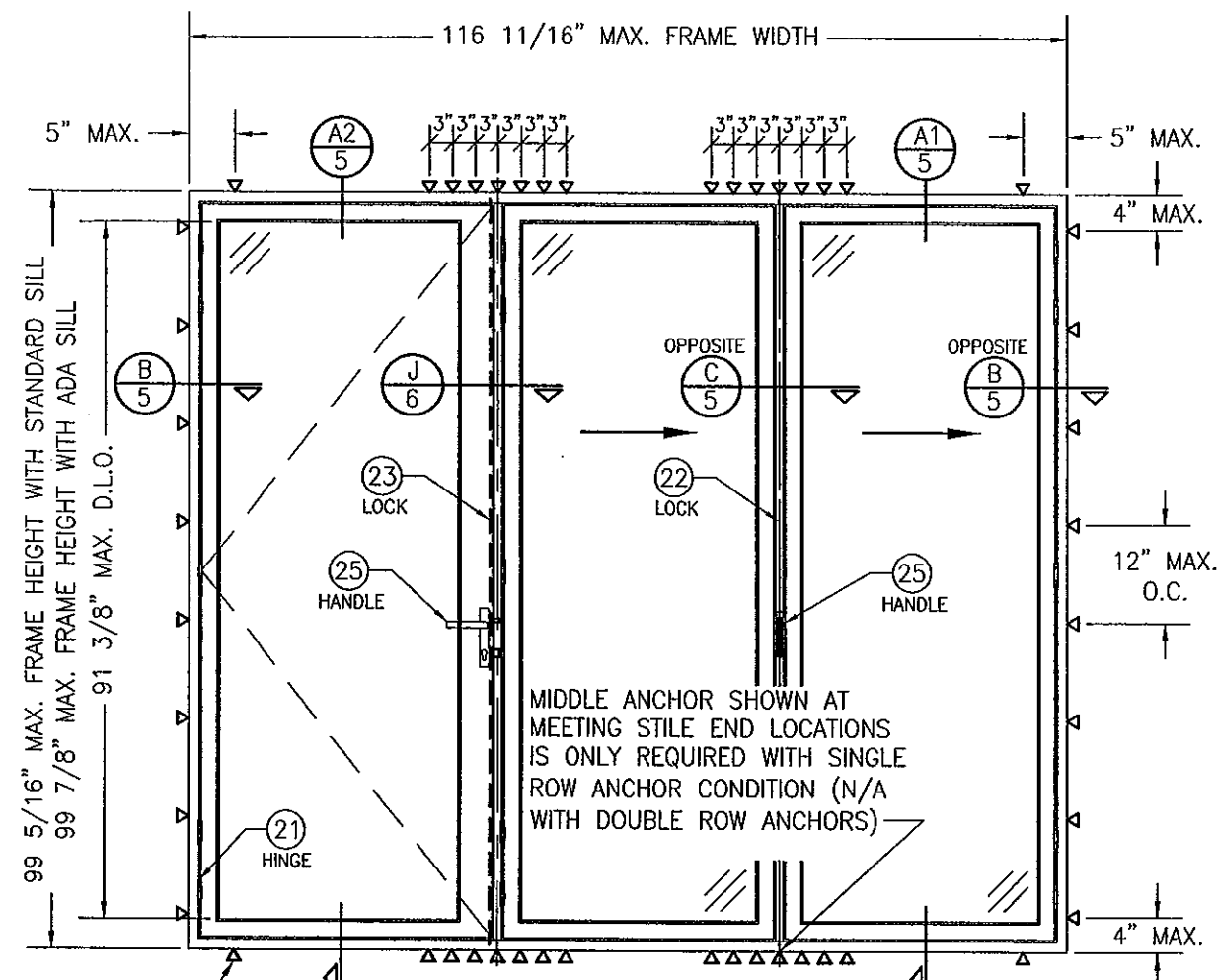
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 11/23/09	
NO.	REVISION	DESCRIPTION	DATE
SL-73 IN-SWING IMPACT FOLDING PANELS MANUFACTURER: NANA WALL SYSTEMS, INC. 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 P.E. NO. 44135 DEC 19 2011 DRAWING NO. 1636 SHEET NO. 2 OF 8 REV. A			



**INTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH DOUBLE SWING
PANELS)**

SCALE: 1/2" = 1'-0"
(ACTIVE SWING DOOR SHOWN WITH DEADBOLT/FLUSH BOLT LOCK
COMBINATION. MULTI-POINT LOCK ALSO APPLIES)

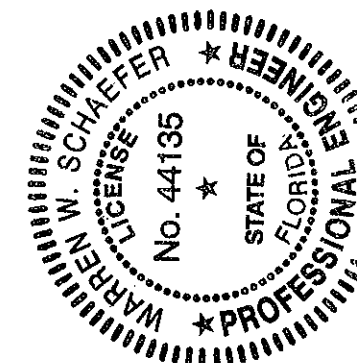
FRAME SCREWS WHERE
SHOWN. SEE "FRAME
ANCHOR REQUIREMENTS
TABLE" ON SHEET 1 FOR
REQUIREMENTS
(APPLICABLE TO SINGLE
OR DOUBLE ROW OF
SCREWS).



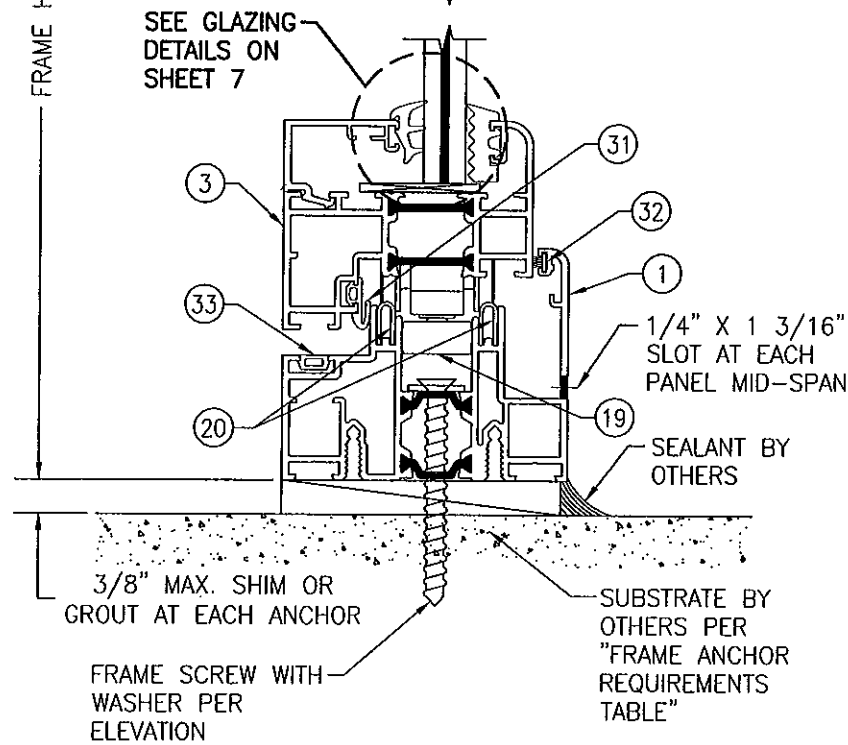
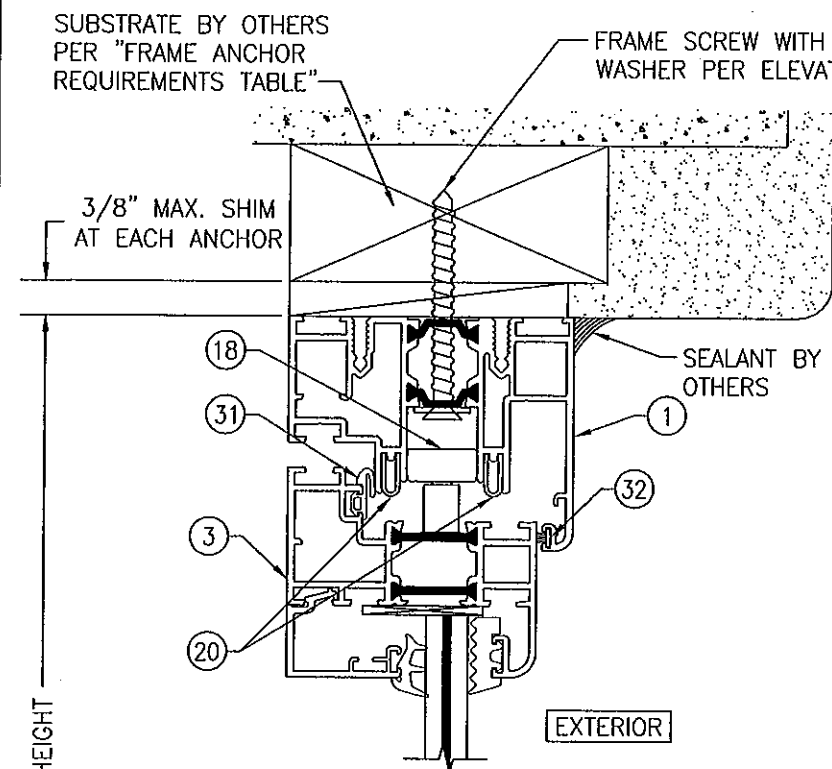
**INTERIOR ELEVATION:
(SWING PANEL LOCKING TO 1 DIRECTION
FOLDING PANELS)**

SCALE: 1/2" = 1'-0"
(ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK.
DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)

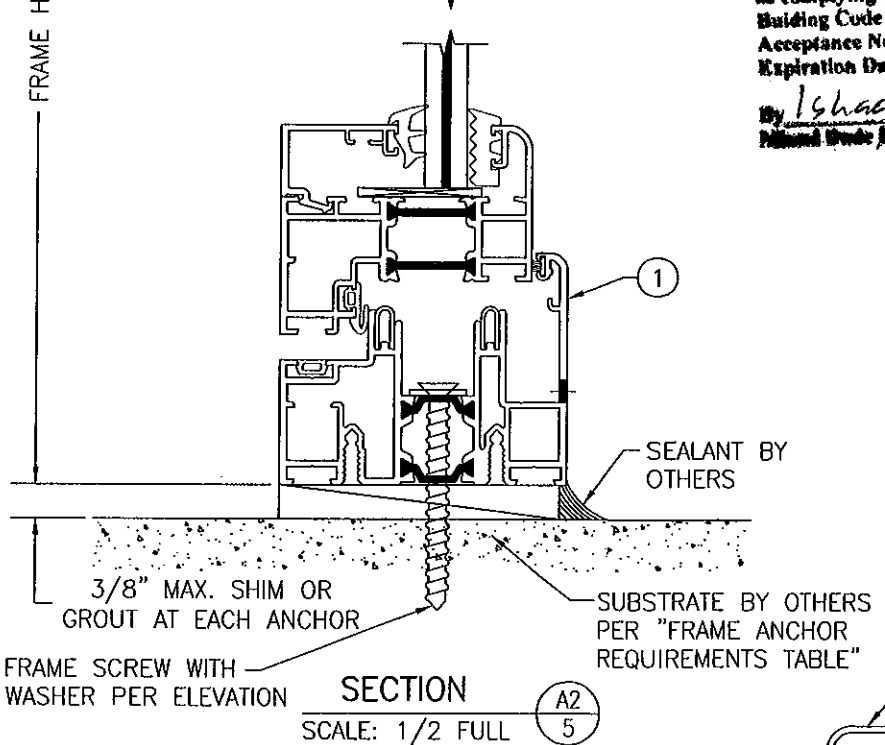
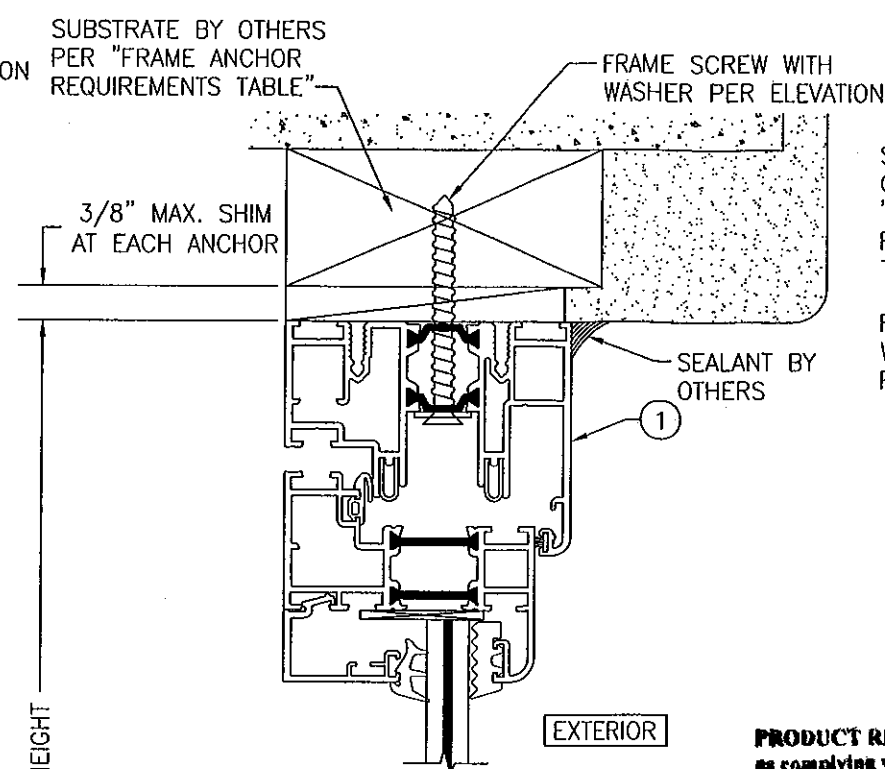
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-1024.04
Expiration Date 9/15/15
By *Sherry L. L. L.*
Miami Dade Product Council



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 11/23/09	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE SL-73 IN-SWING IMPACT FOLDING PANELS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		P.E. NO. 44135	
CERTIFICATION DEC 19 2011		DRAWING NO. 1636	
		REV. A	
		SHEET NO. 3 OF 8	



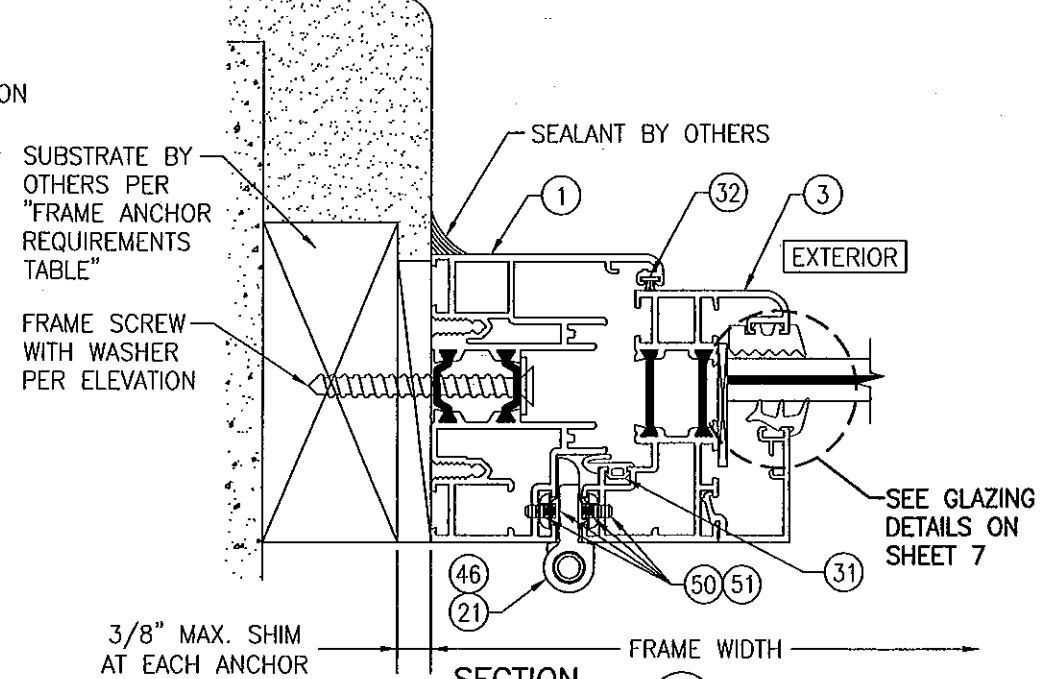
SECTION A1
SCALE: 1/2 FULL



SECTION A2
SCALE: 1/2 FULL

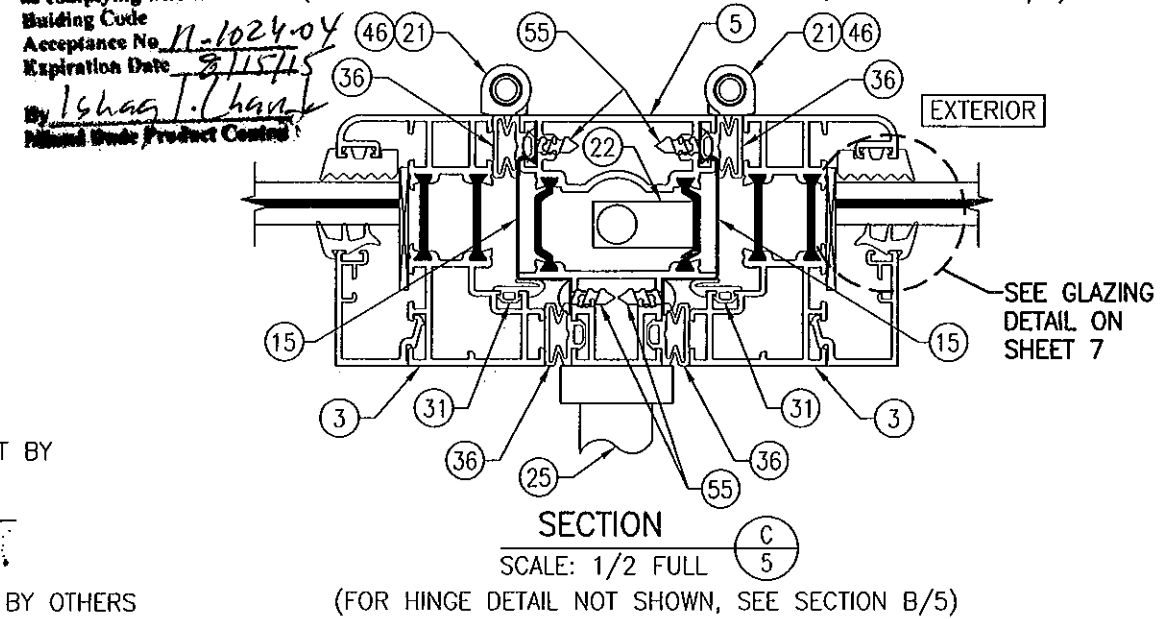
(FOR DETAIL NOT SHOWN, SEE SECTION A1/5)

INSTALLATION CONDITION SHOWN IN THESE SECTIONS IS FOR A SINGLE ANCHOR ROW CONDITION. FOR THE DOUBLE ANCHOR ROW CONDITION, SEE "DOUBLE ANCHOR ROW DETAILS" ON SHEETS 6 & 7



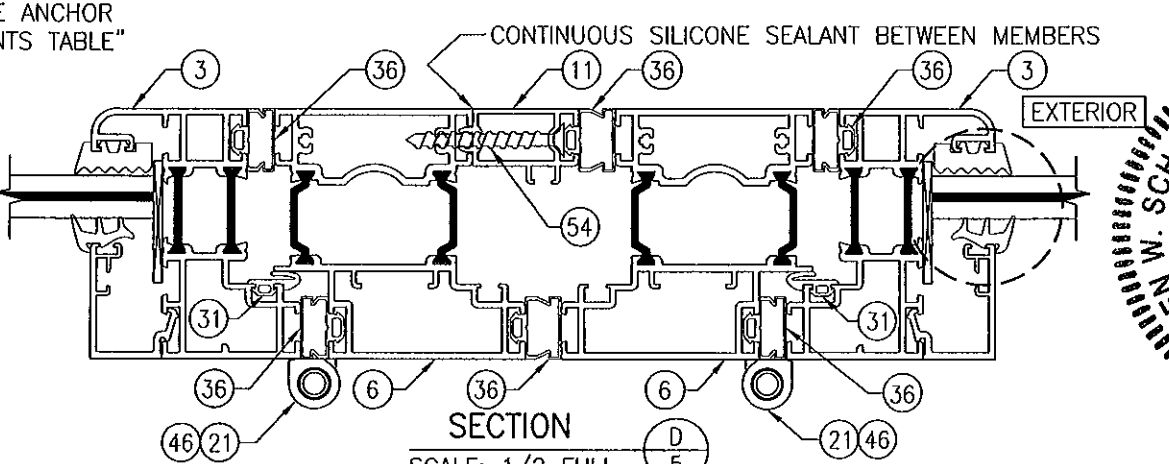
SECTION B
SCALE: 1/2 FULL

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 11-1024-04 Expiration Date 8/15/11 By: [Signature] Miami Trade Product Control



SECTION C
SCALE: 1/2 FULL

(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)

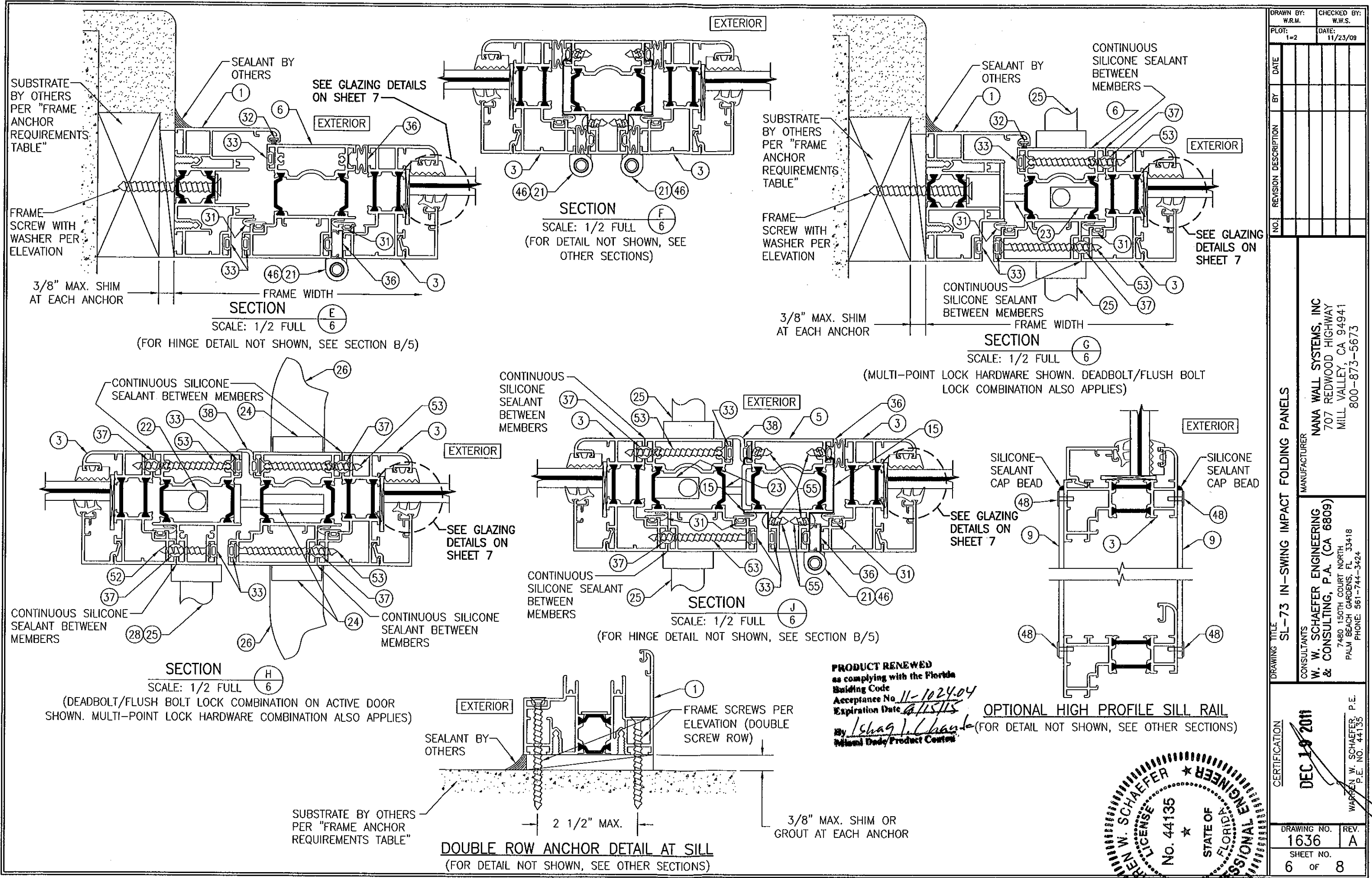


SECTION D
SCALE: 1/2 FULL

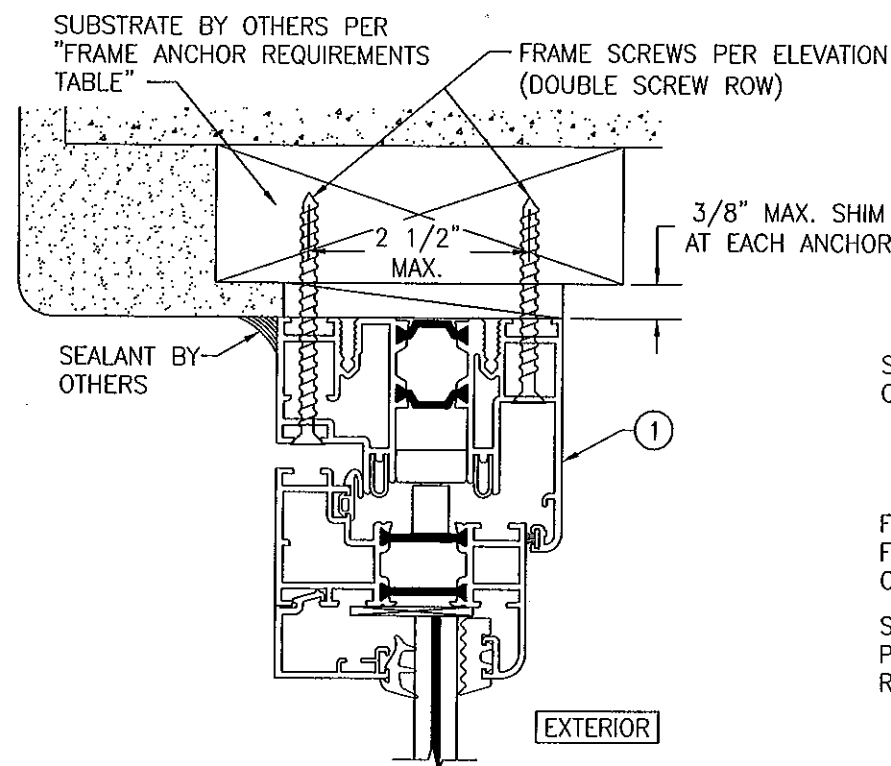
(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)

* STANDARD LOW PROFILE SILL RAIL CONDITION SHOWN. SEE "HIGH PROFILE SILL RAIL DETAIL" ON SHEET 6 FOR HIGH PROFILE SILL RAIL CONDITION
* STANDARD SILL CONDITION SHOWN. SEE "FLUSH SADDLE SILL DETAIL" ON SHEET 7 FOR ADA SILL CONDITION

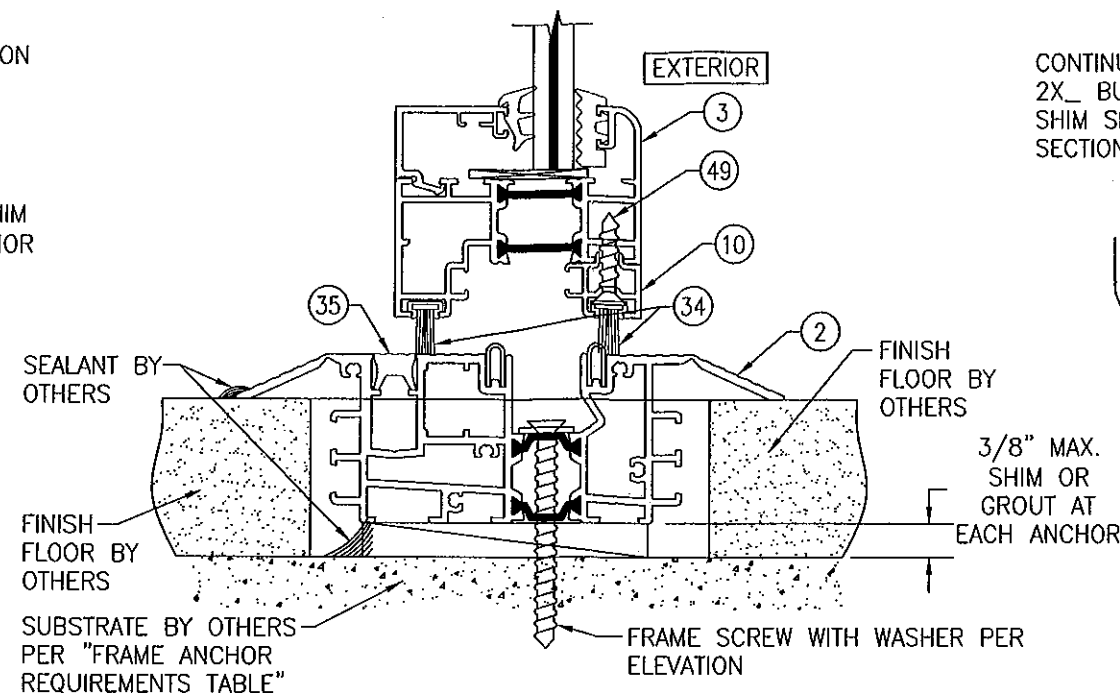
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/23/09
NO.	REVISION DESCRIPTION
DATE	BY
SL-73 IN-SWING IMPACT FOLDING PANELS	
MANUFACTURER	NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673
CONSULTANTS	W. SCHAEFER ENGINEERING CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION	No. 44735 DEC 1 2011 STATE OF FLORIDA PROFESSIONAL ENGINEER
DRAWING NO.	REV.
1636	A
SHEET NO.	5 OF 8



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/23/09
DATE	BY
REVISION DESCRIPTION	NO.
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CERTIFICATION	DEC 19 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1636	REV. A
SHEET NO. 6	OF 8

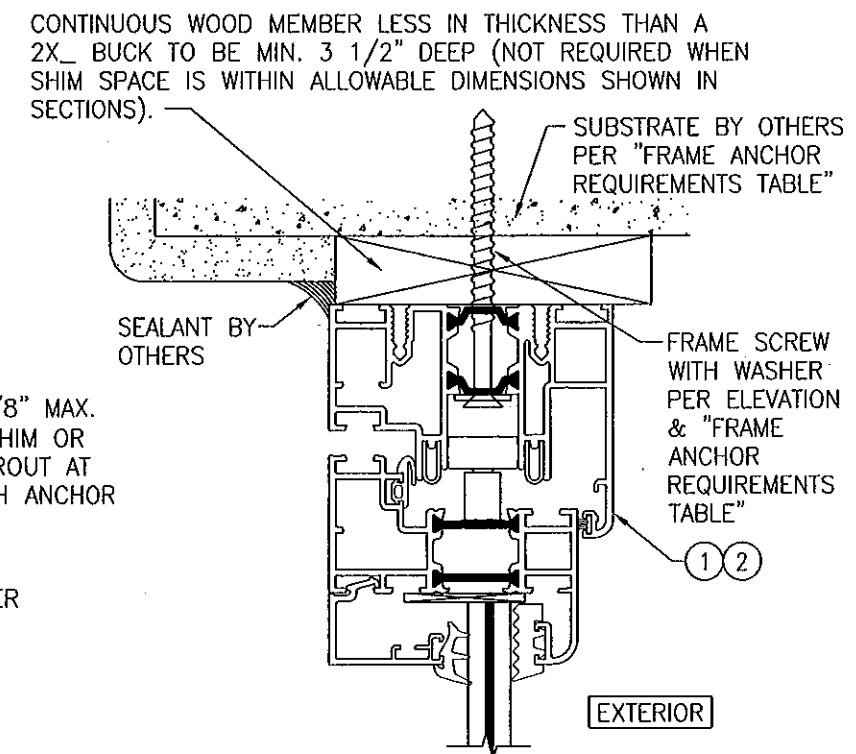


DOUBLE ROW ANCHOR DETAIL AT HEAD & SIDES
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(HEAD SECTION SHOWN. SIDES ARE INSTALLED THE SAME)

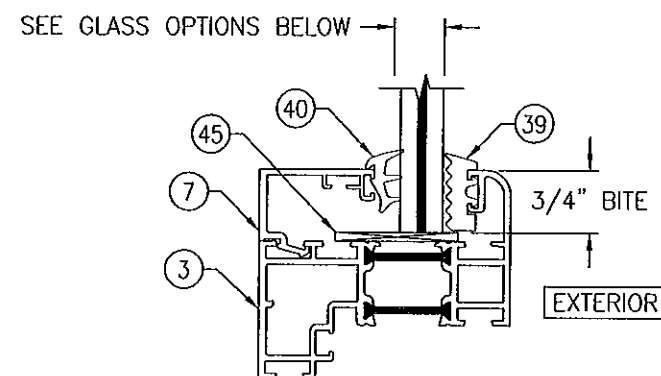


FLUSH SADDLE SILL DETAIL
(SWING DOOR SHOWN. FOLDING PANELS ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(DOUBLE SCREW ROW DOES NOT APPLY TO THIS DETAIL)

WHEN AN ADA/FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC CHAPTER 24.

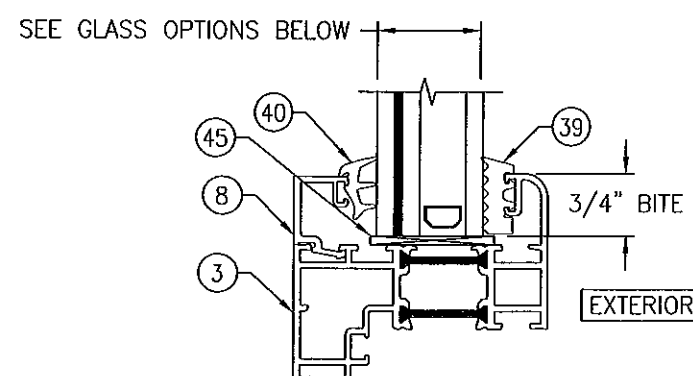


OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER
(HEAD SECTION SHOWN. SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(SINGLE SCREW ROW INSTALLATION SHOWN. DOUBLE SCREW ROW ALSO APPLIES)



NON-I.G. GLAZING DETAIL
GLASS OPTIONS 1 & 2

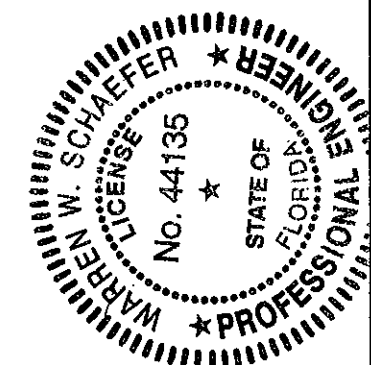
GLASS OPTION 1: 7/16" LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S.)
GLASS OPTION 2: 7/16" LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN.)



I.G. GLAZING DETAIL
GLASS OPTIONS 3, 4, 5 & 6

GLASS OPTION 3: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
GLASS OPTION 4: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)
GLASS OPTION 5: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
GLASS OPTION 6: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-1024.04
Expiration Date 8/15/15
By 16691.16691
Miami Dade/Product Control



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